CyberSerial POS 4000RJ Quick Installation Guide

Introducing the *CyberSerial POS 4000RJ*

The *CyberSerial POS 4000RJ* is a high-speed serial I/O card that provides four additional serial ports.

Features and Benefits

- Conforms to PCI v2.2 Plug and Play
- Supports 32-/64-bit, 3.3V/5V PCI and PCI-X slots
- Full support for Windows-based software
- Reduces CPU load and improves system performance dramatically
- IRQ sharing feature reduces IRQ conflicts
- Provides four RJ45 high-speed serial ports which can be individually configured as standard RS232 serial port or RS232 serial port with 5V/12V DC output
- Built-in 32-byte FIFO buffers dramatically increase data transmit/receive speed, especially under Windows' multitasking environment
- Enhanced bracket design to prevent bending. Connected to PCB with washered screws for a more secure connection

System Requirements

- Pentium or equivalent computer with an available 32-/64-bit PCI or PCI-X slot
- Windows 95/98/98SE/ME/NT 4.0/2000/XP/ Server 2003

Package Contents

- *CyberSerial POS 4000RJ* board
- Driver CD
- Quick Installation Guide

Layout

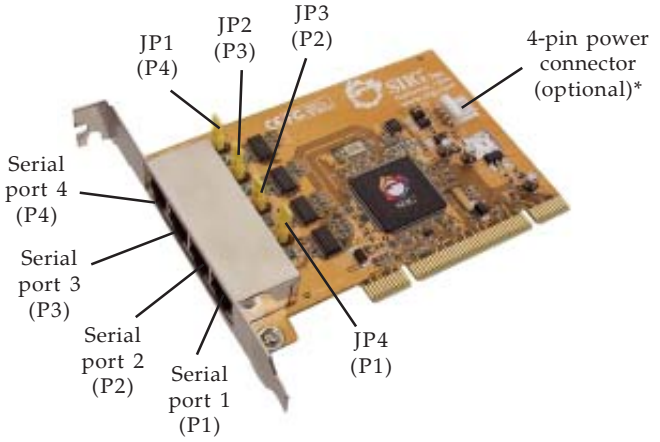

Figure 1. Layout

> ***Note:** Make this connection only when two or more serial ports are configured for 5V/12V output.

Jumper Settings (JP1, JP2, JP3, JP4)

Open = 0 volts (default)

Short 1-2 = 5V

Short 2-3 = 12V

> **Note:** Not all serial devices require additional power through the serial port. Refer to your serial device's manual for more information. The jumpers can be removed if the ports do not need power.

Hardware Installation

General instructions for installing the card are provided below. Refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer and any other connected peripheral devices.
2. Unplug the power cord from the computer.
3. Remove your computer's cover.
4. Remove the slot bracket from an available PCI slot.
5. Change **JP1-JP4** jumper settings to the desired voltage only if your serial device(s) needs additional power from the serial port. For more information go to **Figure 1** on page **2**. Skip this step if power is not required.
6. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
7. Replace the slot bracket's holding screw to secure the card.
8. Replace the computer cover and reconnect the power cord.

Software Installation

This section provides information on how to install the *CyberSerial POS 4000RJ's* drivers.

Windows 95

1. At the **Update Device Driver Wizard** window, click **Next**.
2. Insert the driver CD, and click **Other Locations**. Type in **D:\9x**, click **OK**, then **Finish**. (Change **D:** to match your CD-ROM drive letter)
3. From the **Insert Disk** window, click **OK**. When the **Copying Files** dialog box appears, type in **D:\9x,** then click **OK**.
4. Restart Windows to complete the installation.

Windows 98/98SE

1. At the **Add New Hardware Wizard** window, click **Next**.
2. Select **Search for the best driver for your device (Recommend)**, then click **Next**.
3. Select **Specify a location**, uncheck the other boxes, insert the driver CD, type in **D:\9x,** then click **Next**. (Change **D:** to match your CD-ROM drive letter)
4. Click **Next,** then **Finish**.
5. Repeat steps **1-3**.
6. Click **Next**, **Next** then **Finish**.
7. Restart Windows to complete the installation.

Windows ME

1. At the **Add New Hardware Wizard**, choose **Specify the location of the driver (Advanced)**, click **Next.**
2. Check **Specify a location**, uncheck the other box, insert the driver CD, type in **D:\Me,** then click **Next.**
   (Change **D:** to match your CD-ROM drive letter)
3. Click **Next**, then **Finish**.
4. Repeat steps **1 - 2**.
5. Click **Next**, **Next** then **Finish**.
6. Restart Windows to complete the installation.

To Verify Successful Installation In Windows 95/98/98SE/ME:

1. From the main desktop, right click **My Computer**, click **Properties**, then click **Device Manager**.
2. Double click **Ports (COM & LPT)**, **CyberSerial PCI 16Cxxx...** should be displayed four times.
3. Double click **Multi-function adapters, SIIG CyberPro 4S PCI board** and **PCI Function** should be displayed.

Windows NT 4.0

1. From the desktop click **Start,** then **Run**.
2. Insert the driver CD, type in **D:\NT4\Install_Serial.exe**, then click **OK**.
   (Change **D:** to match your CD-ROM drive letter)
3. Click **Next** when the **Welcome** window appears.
4. Choose **Install**, then click **Next**.
5. Click **Yes**, then click **Exit**.
6. Restart Windows to complete the installation.

To Verify Successful Installation In Windows NT 4.0:

1. Go to **Start / Setting / Control Panel**, double click **Ports** device icon.
2. Four new **COM** ports will be assigned when successfully installed.

Windows 2000

1. At the **Found New Hardware Wizard**, click **Next**.
2. Select **Search for a suitable driver for my device (recommended)**, and click **Next**.
3. Check **Specify a location**, uncheck the other boxes, and click **Next**.
4. Insert the driver CD, type in **D:\2000**, then click **OK**. (Change **D:** to match your CD-ROM drive letter)
5. Click **Next** and **Finish**.
6. Repeat steps **1-5** two more times.
7. Restart Windows to complete the installation.

Windows XP

1. At the **Found New Hardware Wizard**, choose **Install from a list or specific location (Advanced)**, then click **Next**.
2. Insert the driver CD, check **Include this location in the search**, uncheck the other check box, type in **D:\XP**, and click **Next**.
   (Change **D:** to match your CD-ROM drive letter)
3. At the **Hardware Installation** window, click **Continue Anyway**, then **Finish**. *Our driver has been tested for stability and compatibility.*
4. Repeat steps **1-3** five more times.
5. Restart Windows to complete the installation.

Windows Server 2003

1. At the **Found New Hardware Wizard**, choose **Install from a list or specific location (Advanced)**, then click **Next**.
2. Insert the driver CD, check **Include this location in the search**, uncheck the other check box, type in **D:\2003**, and click **Next**.
   (Change **D:** to match your CD-ROM drive letter)
3. At the **Hardware Installation** window, click **Continue Anyway**, then **Finish**. *Our driver has been tested for stability and compatibility.*
4. Repeat steps **1-3** five more times.
5. Restart Windows to complete the installation.

To Verify Successful Installation In Windows 2000/XP/ Server 2003:

1. Right click **My Computer**, click **Manage**, then select **Device Manager**.
2. Click on the + (plus sign) in front of **Ports (Com & LPT)**, **CyberSerial PCI 16Cxxx...** should be displayed four times.
3. Double click **Multifunction adapters**, **SIIG CyberPro 4S PCI board** should be displayed.

Changing COM Port Address

Some serial devices need a specific COM port in order to work. If your serial device works properly, do not change this setting.

Windows 95/98/98SE/ME

1. From the **Device Manager** window double click **Ports (COM & LPT)**, then double click the **CyberSerial PCI** serial port you want to change.
2. Click **Settings** tab, click the down arrow that is next to the **Port Name** box and select a COM address that is not currently in use.
3. Click **OK**, then close **Device Manager** to save the changes. *Follow steps 1-3 again to change the other serial port(s) if needed.*

Windows 2000/XP/Server 2003

1. From the **Device Manager** window double click **Ports (COM & LPT)**, then double click the **CyberSerial PCI** serial port you want to change.
2. Click **Settings** tab and click **Advanced**.
3. Click the down arrow that is next to the **COM Port number** box and select a COM port that is not in use. Click **OK**.
4. Click **OK**, then close **Device Manager** to save the changes. *Follow steps 1-4 again to change the other serial port(s) if needed.*

Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our website at ***www.siig.com*** and click on **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and one of our technical support analysts will promptly respond.

A lifetime manufacturer warranty supplied with this product is offered by SIIG, Inc. Please see SIIG website for more warranty details. If you should happen to encounter any problems with this product, please follow the procedures below.

If it is within the store's return policy period, please return the product to the store where you purchased from.

If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request.

Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to SIIG RMA. If the product is determined to be defective, an RMA number will be issued. SIIG RMA department can also be reached at (510)413-5333.

Step 2: After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping the product to SIIG at the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538
  RMA#: _____

- SIIG will ship the repaired or replaced product via Ground in the U.S and International Economy outside of the U.S at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading computer upgrade manufacturer of I/O connectivity products, including PCI & ISA serial and parallel ports, USB, Serial ATA & UltraATA controllers, FireWire (1394a/b), Networking, Sound Cards, and other accessories. SIIG is the premier one-stop source of upgrades.

SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High-quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, and e-commerce sites in the Americas and the UK, as well as through major distributors, system integrators, and VARs.

PRODUCT NAME
CyberSerial POS 4000RJ

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

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